

bs-9702R**[Primary Antibody]****HECA Rabbit pAb****Bioss**
ANTIBODIES

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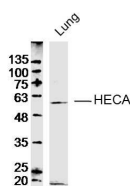
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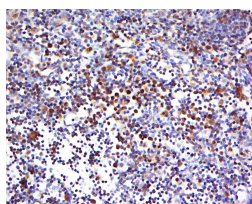
400-901-9800

— DATASHEET —

Host: Rabbit Clonality: Polyclonal GeneID: 51696 Target: HECA Immunogen: KLH conjugated synthetic peptide derived from human HECA: 231-330/543. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. Background: HECA, also known as headcase homolog, HDC, HDCL or HHDC, is a 543 amino acid mammalian homolog of the Drosophila headcase protein, a highly basic, cytoplasmic peptide that plays a role in mitotic re-entry during adult morphogenesis. Expressed in a variety of tissues with highest expression in thymus, spleen and heart, HECA is thought to play a role in the development of epithelial tube networks in lung tissue and may also be involved in the pathogenesis of lung cancer. The gene encoding HECA maps to human chromosome 6, which contains 170 million base pairs and comprises nearly 6% of the human genome. Deletion of a portion of the q arm of chromosome 6 is associated with early onset intestinal cancer, suggesting the presence of a cancer susceptibility locus. Additionally, Porphyria cutanea tarda, Parkinson's disease, Stickler syndrome and a susceptibility to bipolar disorder are all associated with genes that map to chromosome 6.	Isotype: IgG SWISS: Q9UBI9 Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:50-200) Reactivity: Rat (predicted: Human, Mouse, Rabbit, Pig, Sheep, Cow, Dog, Horse) Predicted MW.: 59 kDa Subcellular Location: Cell membrane ,Cytoplasm ,Nucleus
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— VALIDATION IMAGES —

Sample: Lung (Rat) Lysate at 40 ug
Primary: Anti-HECA (bs-9702R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 59 kD
Observed band size: 59 kD



Tissue/cell: rat pancreas tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-HECA Polyclonal Antibody, Unconjugated (bs-9702R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody (SP-0023) and DAB (C-0010) staining